BRUHATH BANGALORE MAHANAGARA PALIKE

Name of the Agency	:	**Mr. K. Shivakumar,** Contractor, Bangalore.
Name of the Work	:	Providing and laying HDPE Water line in Mutyalanagara Block –2 in JP Park, Ward No. 17, BBMP, Bangalore.
Estimate Cost	:	Rs.

QUALITY CONTROL REPORTS TO

Asst. Executive Engineer,
Yeshwanthapura Sub Division,
BBMP, Bangalore.

CIVIL-TECH CONSULTANTS & ENGINEERS

Building & Highway Material Testing Laboratory
NABL ACCREDITED LABORATOTY AS PER ISO / IEC – 17025:2005
No.23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar, Bangalore – 560 079.

QUALITY CONTROL REPORTS FOR

WET MIX MACADAM(WMM)

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/WNo.17/KS/WMM/Gradation/2014-15

16.04.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.

Agency : **Mr. K. Shivakumar,** Contractor, Bangalore.

Name of Work : Providing and laying HDPE Water line in Mutyalanagara Block - 2 in JP Park, Ward No. 17, BBMP, Bangalore.

Reference : EE/RRND/Wo. No./234/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample ID : WMM Layer

Oven Dry Wt (gm): **7765**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	265	265	3.4	96.6	95-100
22.4	2455	2720	35.0	65.0	60-80
11.2	1350	4070	52.4	47.6	40-60
4.75	1210	5280	68.0	32.0	25-40
2.36	800	6080	78.3	21.7	15-30
0.600	710	6790	87.4	12.6	8-22
0.075	595	7385	95.1	4.9	0-8

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laborato
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Bangalore-560079.

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16.04.2014

GRADATION FOR WMM
MORTH TABLE-400-11

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Agency : **Mr. K. Shivakumar,** Contractor, Bangalore.

Name of Work : Providing and laying HDPE Water line in Mutyalanagara Block - 2 in JP Park, Ward No. 17, BBMP, Bangalore.

Reference : EE/RRND/Wo. No./234/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample ID : WMM Layer

Oven Dry Wt (gm): **7630**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	255	255	3.3	96.7	95-100
22.4	2595	2850	37.4	62.6	60-80
11.2	1205	4055	53.1	46.9	40-60
4.75	1150	5205	68.2	31.8	25-40
2.36	965	6170	80.9	19.1	15-30
0.600	600	6770	88.7	11.3	8-22
0.075	590	7360	96.5	3.5	0-8

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GRADATION FOR WMM
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Agency : **Mr. K. Shivakumar,** Contractor, Bangalore.

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Reference : EE/RRND/Wo. No./234/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample ID : WMM Layer

Oven Dry Wt (gm): 7485

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	155	155	2.1	97.9	95-100
22.4	2650	2805	37.5	62.5	60-80
11.2	1185	3990	53.3	46.7	40-60
4.75	955	4945	66.1	33.9	25-40
2.36	800	5745	76.8	23.2	15-30
0.600	750	6495	86.8	13.2	8-22
0.075	555	7050	94.2	5.8	0-8

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